



ACCORD: Solo Challenge and Analyst Support

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Mar. 1, 2008



Value of ACCORD



- From Robust Decisions, Inc.
 - Used by special permission
- Analysts use assigned part(s) of BIAC Methodology to estimate behavior of adversary
- Analysts input (weighted) judgment(s) on possible behavior of adversary into ACCORD
- ACCORD uses Bayesian reasoning with weighted inputs to get group estimate(s)
 - Identify holes, deficiencies, further work to be accomplished



Solo Challenge War Game



- Game played in Spring 2008 (April - May)
- Air War College students serve as subject matter experts and analysts
- Apply BIAC methodology to (unclassified) problems
- Use ACCORD decision software to:
 - Infer probable intent and likely behaviors
 - Recommend courses of action to faculty



Analytical Workflow



Use

**Values, Beliefs, Worldview;
Operational Behavioral History;
Perceptions;
Motivations (Needs and Objectives);
Current Capabilities;
Situational Factors;
Decision Process;**

To Infer: Probable Intent / Likely Behavior.



Analytical Workflow (2)



Use

**Probably Intent + likely behaviors;
Vulnerabilities;
Influence Susceptibilities;
Accessibility;
To develop Recommendations.**



Sample Problem



In the year 2017, Iran, with technical assistance from India and China, has developed a laser weapon capable of destroying satellites in orbit.

Determine the probable intent and likely behavior of the Iran Supreme Council with this new technology. Also recommend courses of action to U.S. military commanders.



Demo

Possible behaviors of Iran SC:

- 1. Attack a U. S. Satellite;**
- 2. Tool in negotiations;**
- 3. Sell technology to others;**
- 4. Defensive role only.**



Example



Accord V2.5.13 Professional Worksheet
File Edit View Screen Help
Data Stored In: SoloExample.jdl
Issue Belief Map Untitled

TOTAL TEAM SATISFACTION
Satisfaction Probability

Criteria Satisfaction

Templates

- Concept Selection
- Job Candidate Selection
- Portfolio Evaluation
- Proposal Selection
- Vendor Selection
- Where to Site Office

What to do next...
Report...
Edit Rationale...
Evaluation Management...
Distributed Team Support...

C E R T A I N T Y - K N O W L E D G E

Alternatives New Show All

- Attack a U. S. Satellite
- Tool in Negotiations
- Sell Technology to Others
- Defensive Role Only

Criteria New Show All Importance

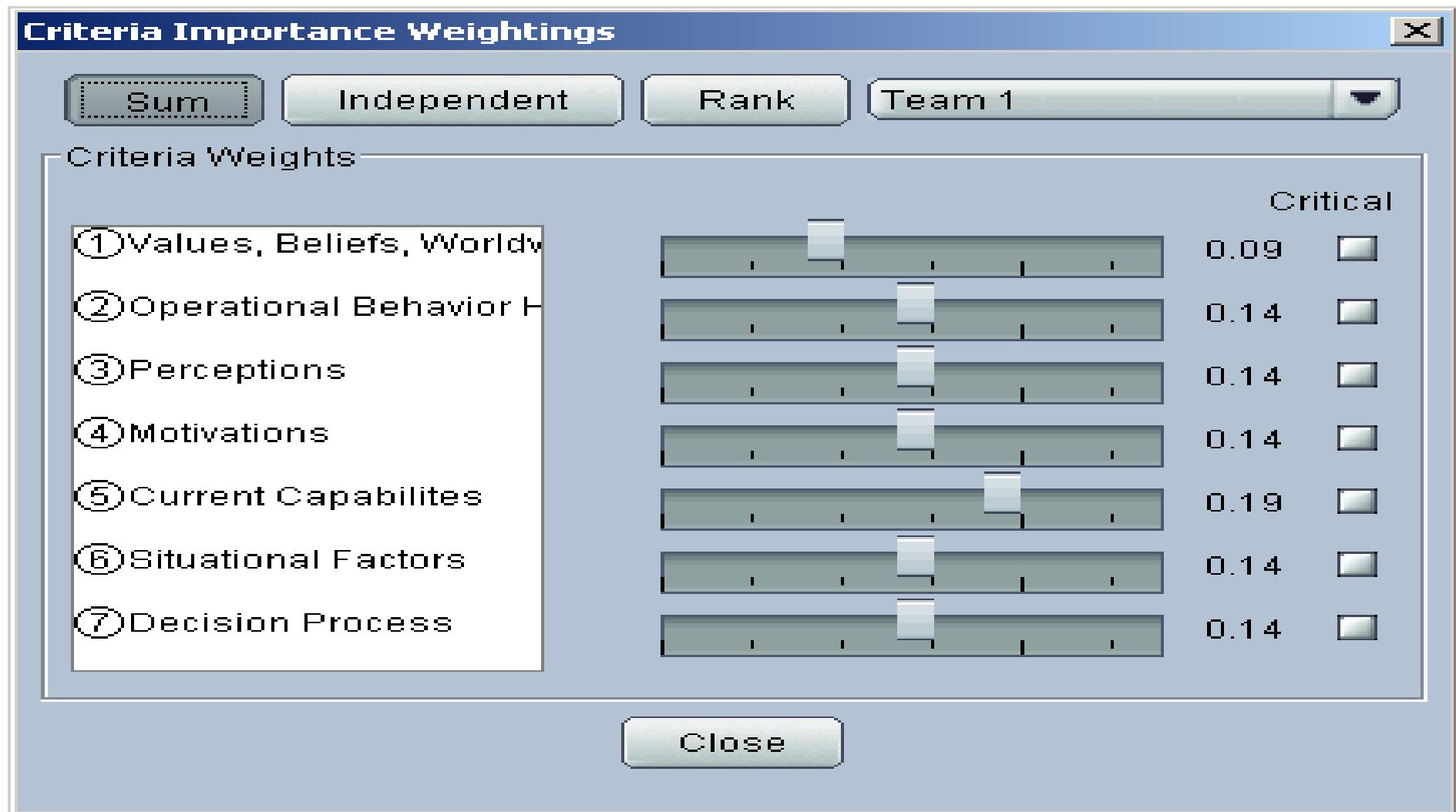
Feature Measured	Type	Units	Handshake	Flag
① Values, Beliefs, Worldview	Q			
② Operational Behavior History	Q			
③ Perceptions	Q			
④ Motivations	Q			
⑤ Current Capabilities	Q			
⑥ Situational Factors	Q			
⑦ Decision Process	Q			

Members New... Show All

E. L. Perry Owner	Team 1	Team 2

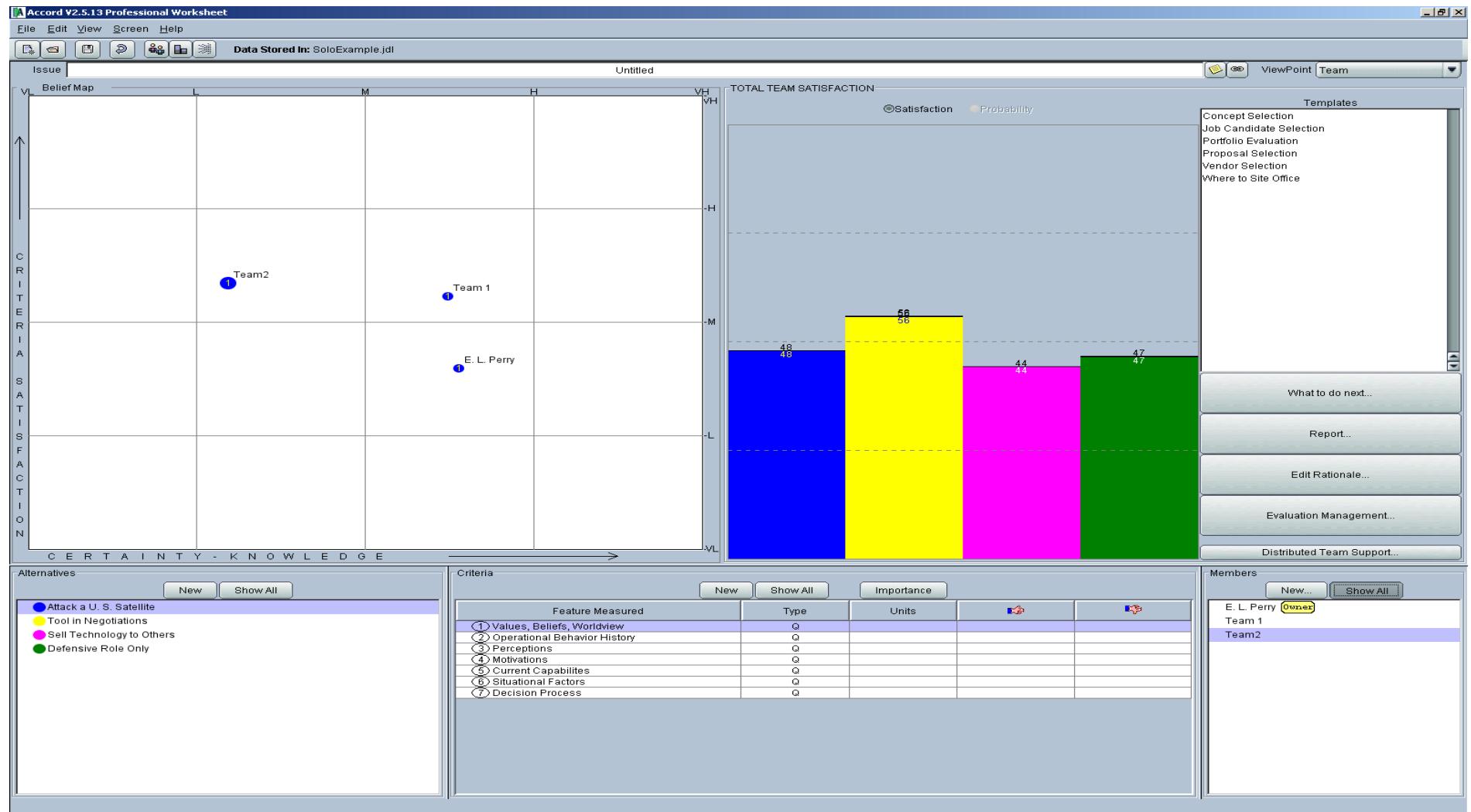


Weighting the Criteria





Show All





Questions?

